

## RF Test Data for 2.4G (Conducted Measurements)

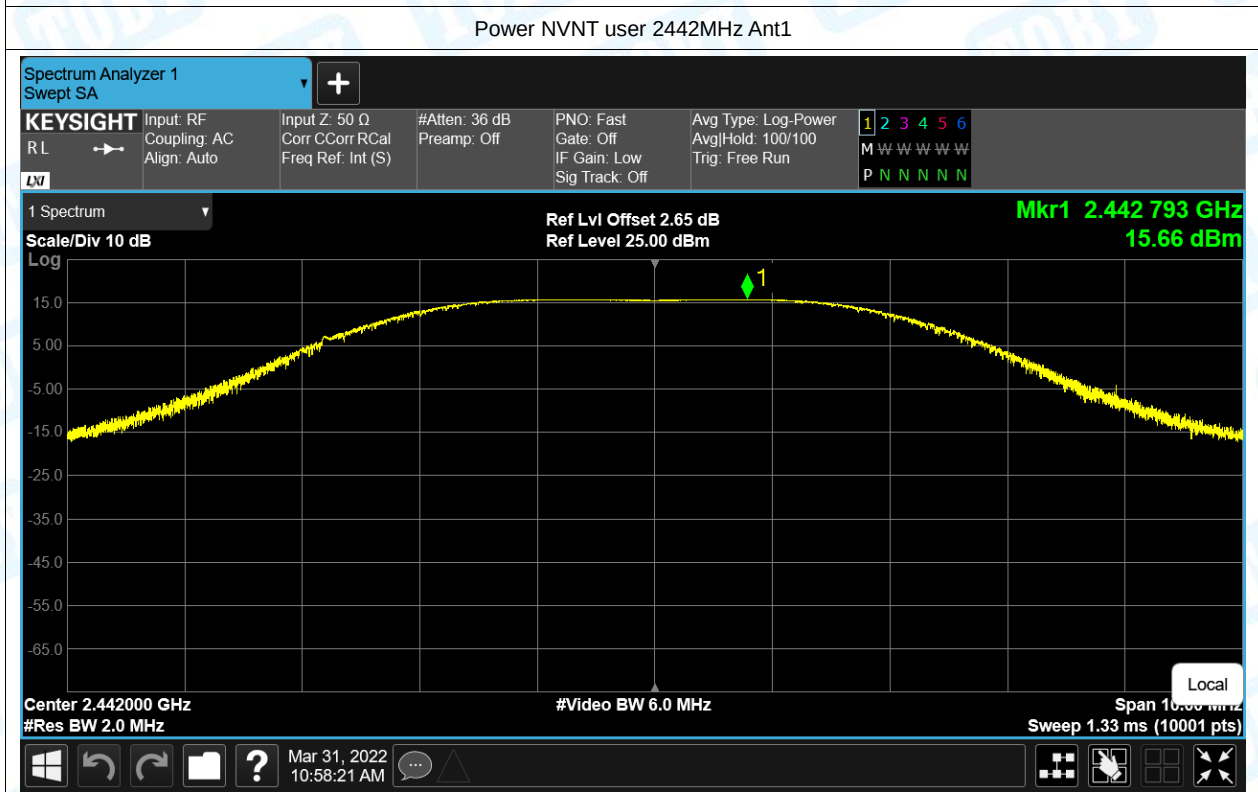
| General Description of EUT                                                                                         |                                           |
|--------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| Product Name:                                                                                                      | 2.4GHz Digital Wireless Video Baby Camera |
| FCC ID Test Model:                                                                                                 | HB6351                                    |
| IC Test Model:                                                                                                     | HB6351TX                                  |
| Sample ID:                                                                                                         | 202203-0083-1_2                           |
| Environmental Conditions                                                                                           |                                           |
| Temperature:                                                                                                       | 25℃                                       |
| Relative Humidity:                                                                                                 | 55%                                       |
| Test Voltage:                                                                                                      | AC 120V/60Hz                              |
| Test Engineer:                                                                                                     | HEJINGCHANG                               |
| Note: For a more detailed features description, please refer to the report TBR-C-202203-0083-1&TBR-C-202203-0083-2 |                                           |

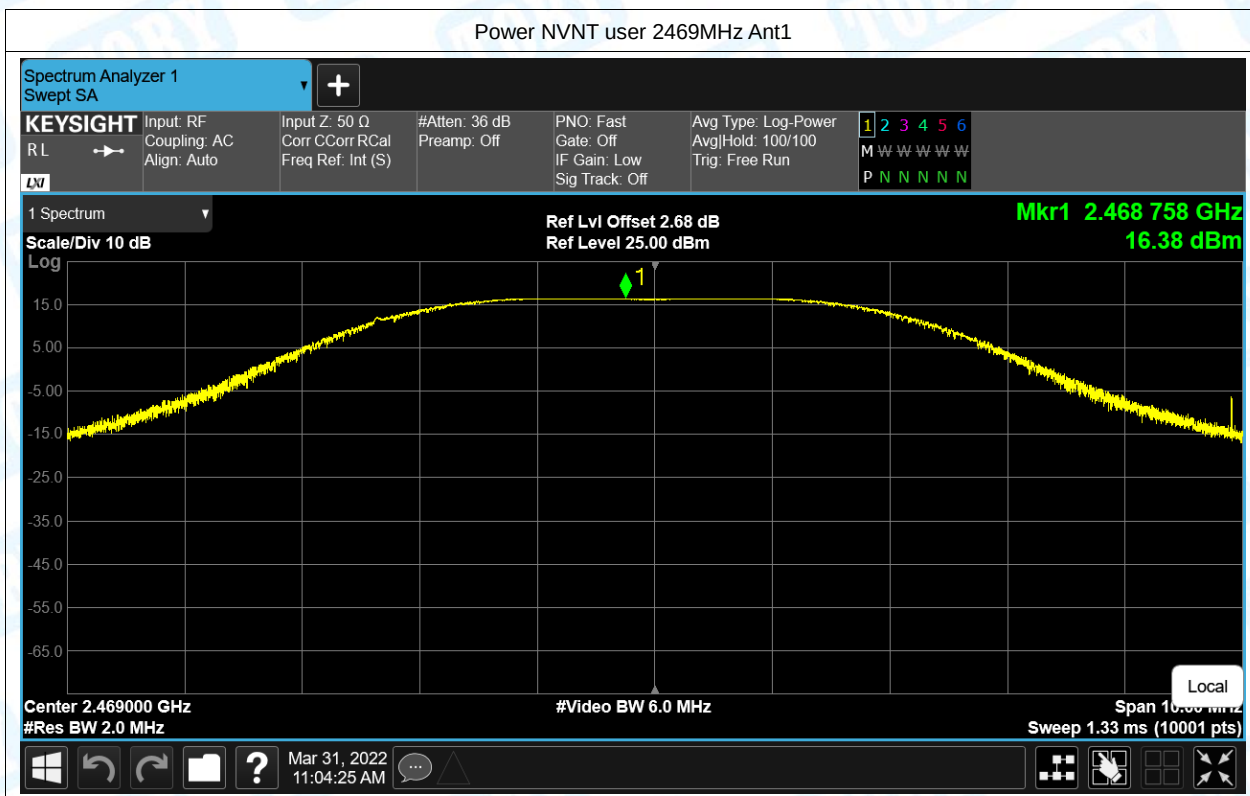
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## 1.Maximum Conducted Output Power

| Condition | Mode | Frequency<br>(MHz) | Antenna | Conducted Power<br>(dBm) | Limit<br>(dBm) | Verdict |
|-----------|------|--------------------|---------|--------------------------|----------------|---------|
| NVNT      | GFSK | 2412               | Ant1    | 14.349                   | 21             | Pass    |
| NVNT      | GFSK | 2442               | Ant1    | 15.663                   | 21             | Pass    |
| NVNT      | GFSK | 2469               | Ant1    | 16.382                   | 21             | Pass    |



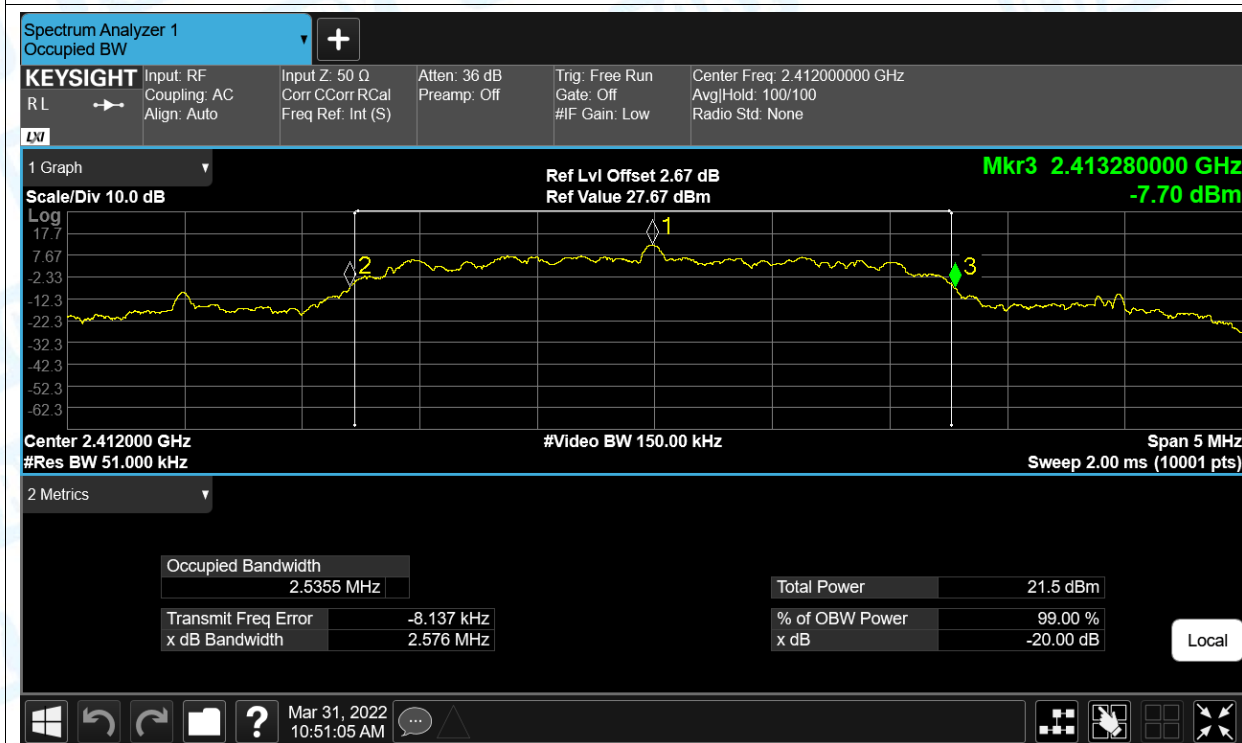


## 2.-20dB Bandwidth

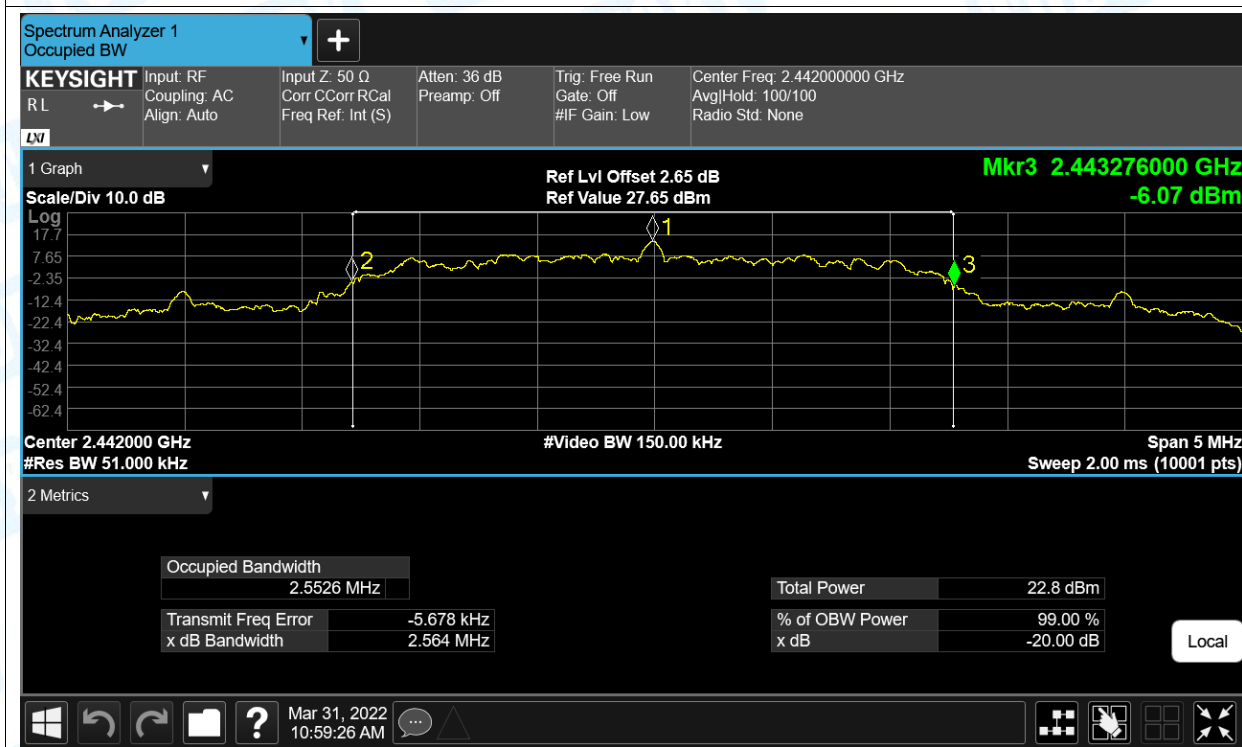
| Condition | Mode | Frequency (MHz) | Antenna | -20 dB Bandwidth (MHz) | Limit -20 dB Bandwidth (MHz) | Verdict |
|-----------|------|-----------------|---------|------------------------|------------------------------|---------|
| NVNT      | GFSK | 2412            | Ant1    | 2.58                   | 0                            | Pass    |
| NVNT      | GFSK | 2442            | Ant1    | 2.56                   | 0                            | Pass    |
| NVNT      | GFSK | 2469            | Ant1    | 2.58                   | 0                            | Pass    |

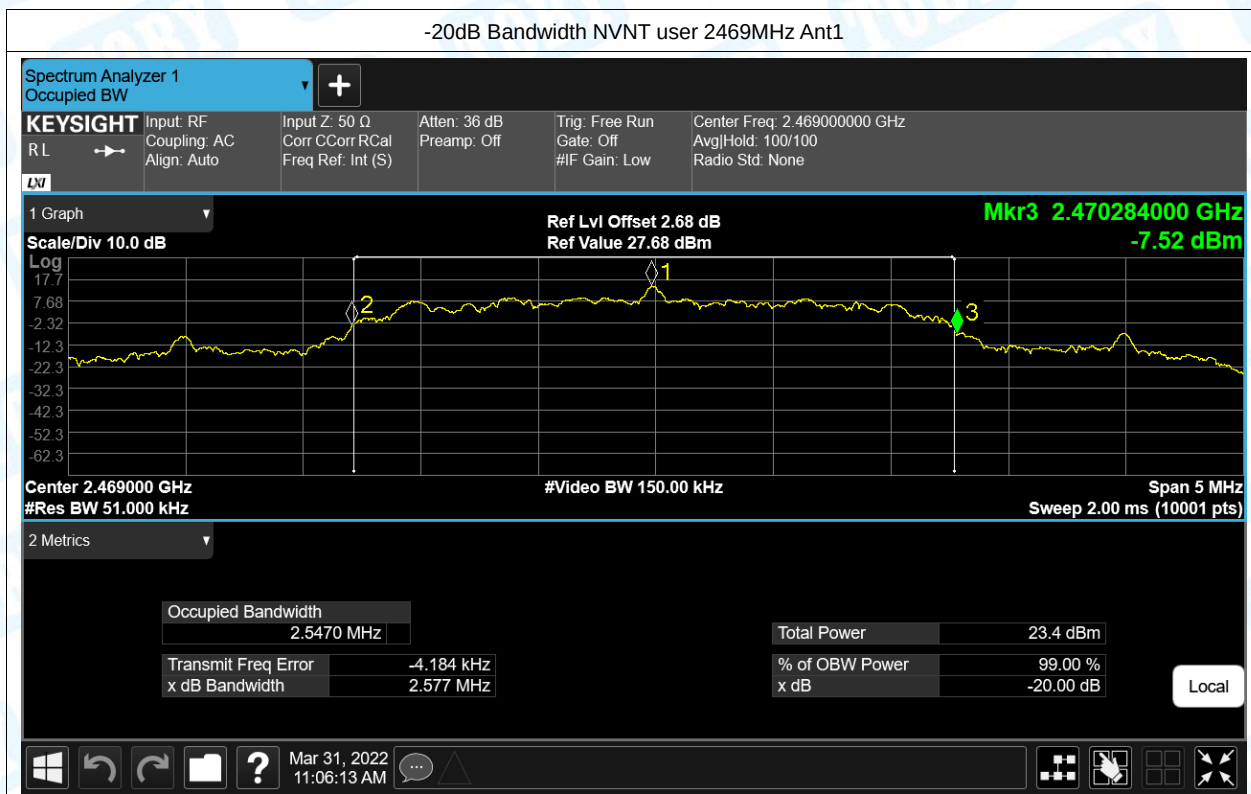
## Test Graphs

-20dB Bandwidth NVNT user 2412MHz Ant1



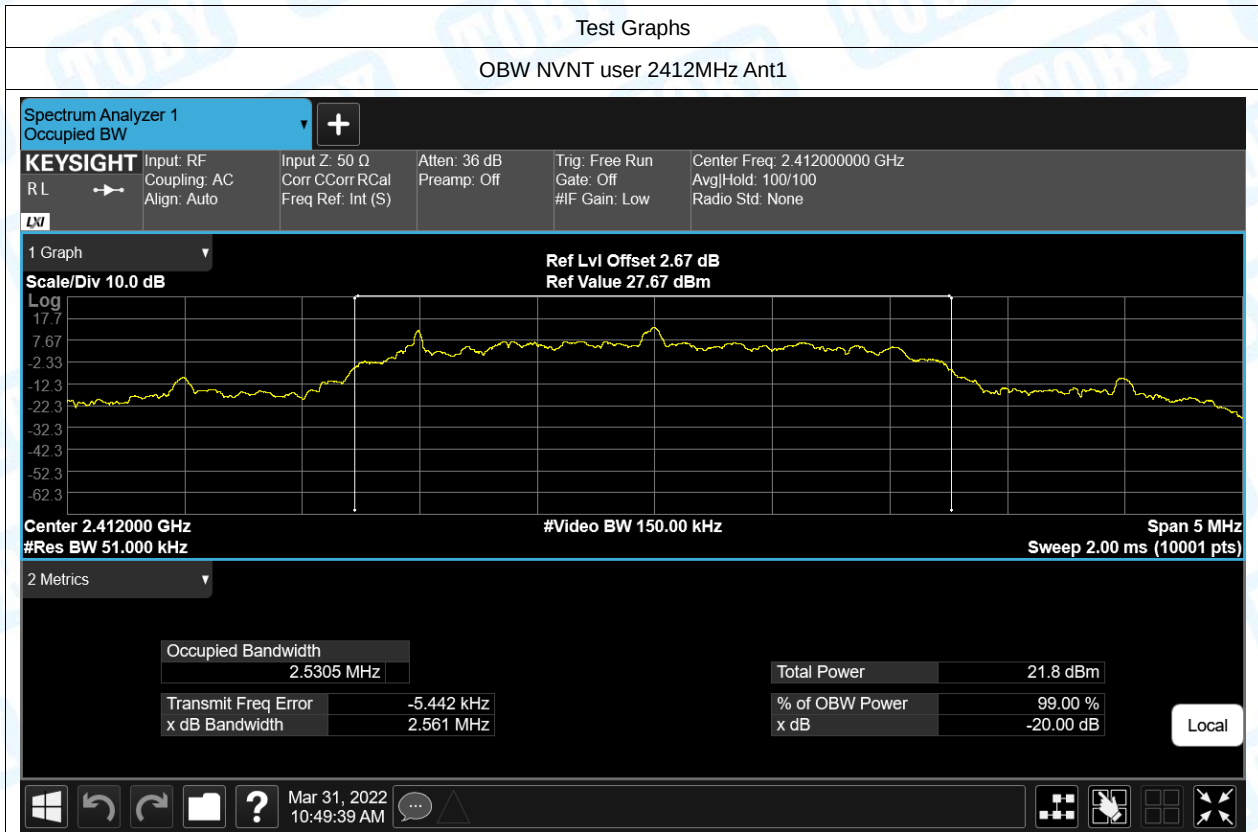
-20dB Bandwidth NVNT user 2442MHz Ant1





### 3.Occupied Channel Bandwidth

| Condition | Mode | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|------|-----------------|---------|---------------|
| NVNT      | GFSK | 2412            | Ant1    | 2.53          |
| NVNT      | GFSK | 2442            | Ant1    | 2.547         |
| NVNT      | GFSK | 2469            | Ant1    | 2.532         |



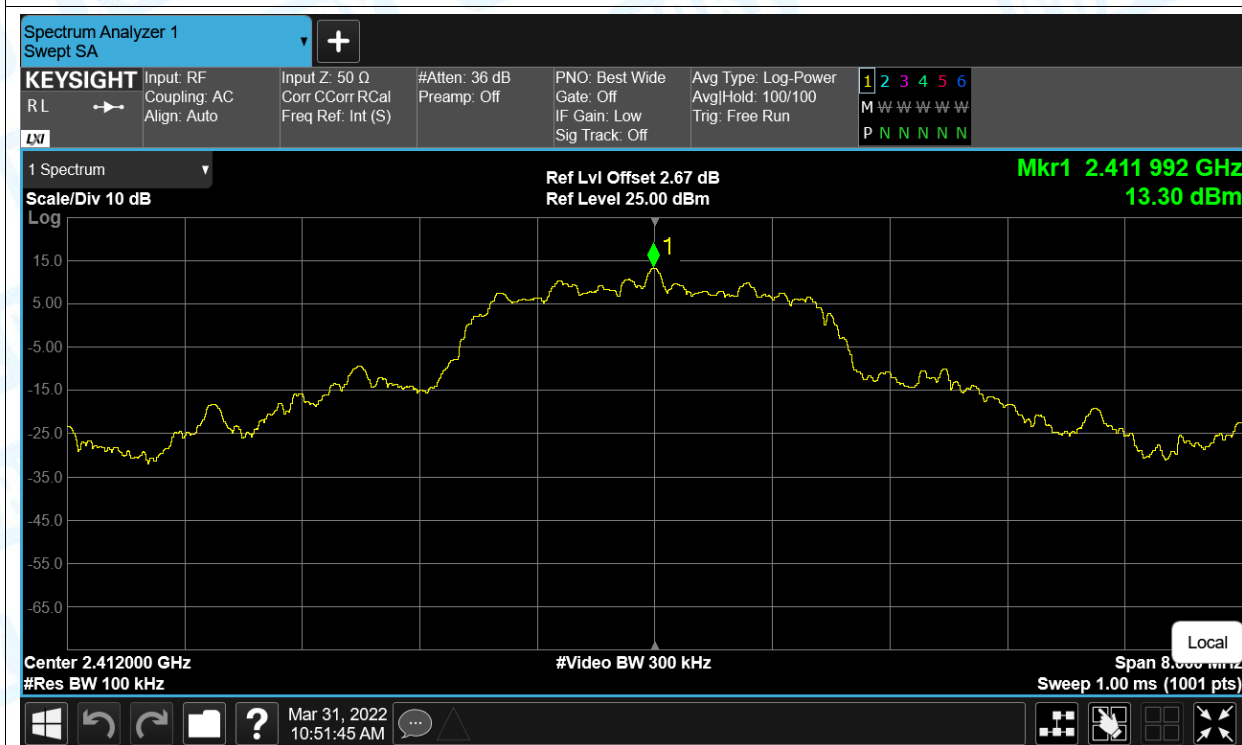


### 4.Band Edge

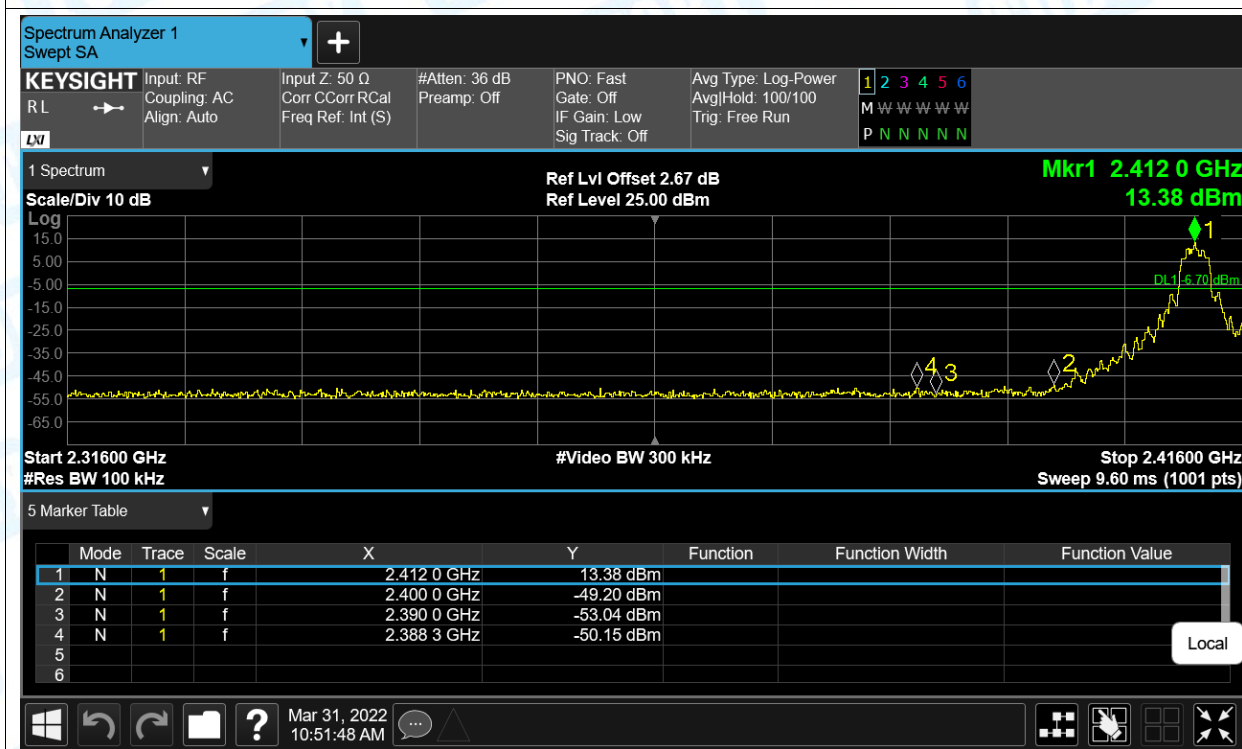
| Condition | Mode | Frequency (MHz) | Antenna | Hopping Mode | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|------|-----------------|---------|--------------|-----------------|-------------|---------|
| NVNT      | GFSK | 2412            | Ant1    | No-Hopping   | -63.45          | -20         | Pass    |
| NVNT      | GFSK | 2469            | Ant1    | No-Hopping   | -64.9           | -20         | Pass    |

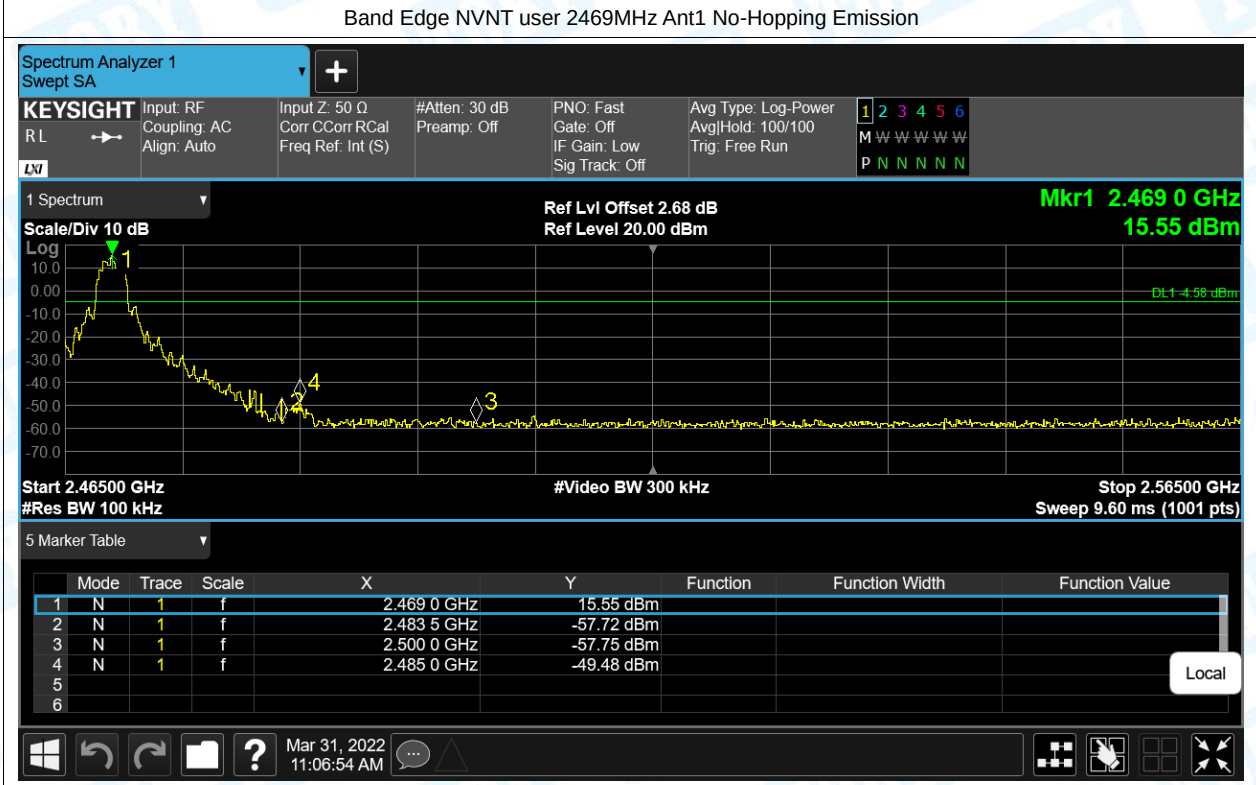
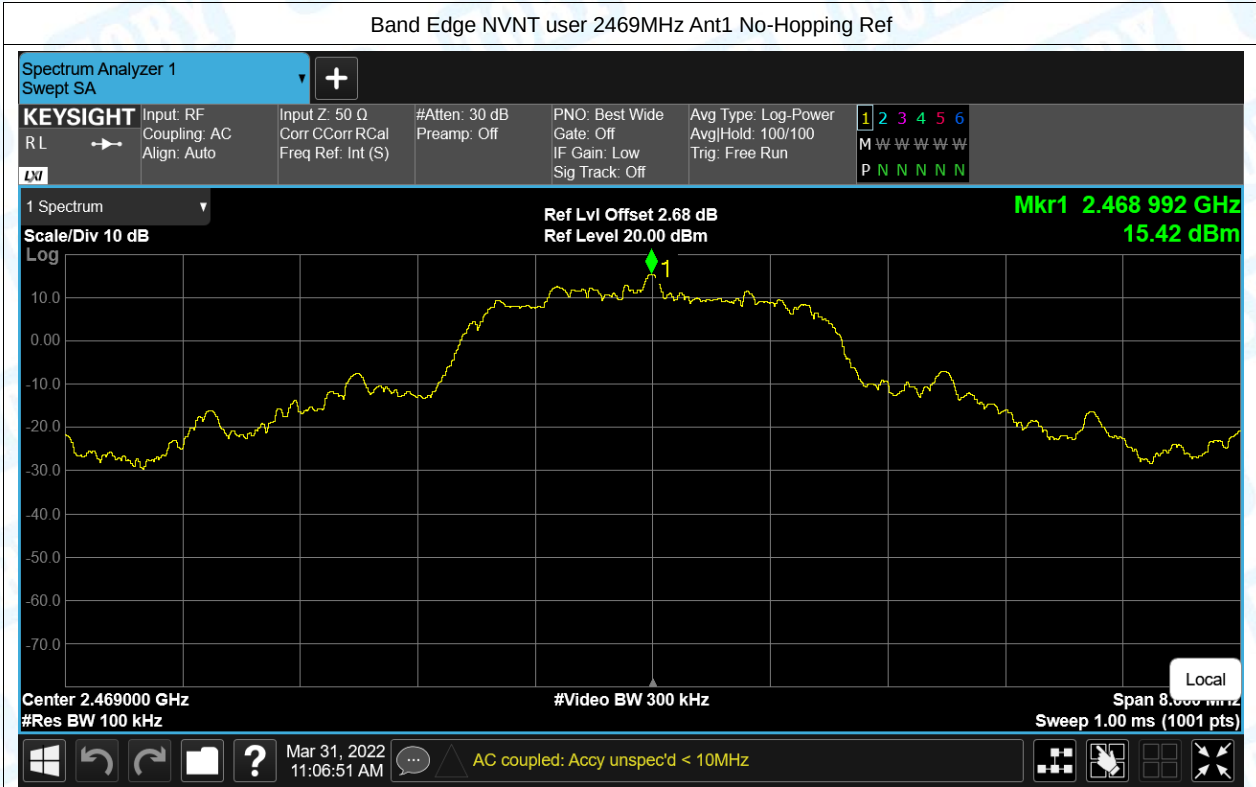
## Test Graphs

## Band Edge NVNT user 2412MHz Ant1 No-Hopping Ref



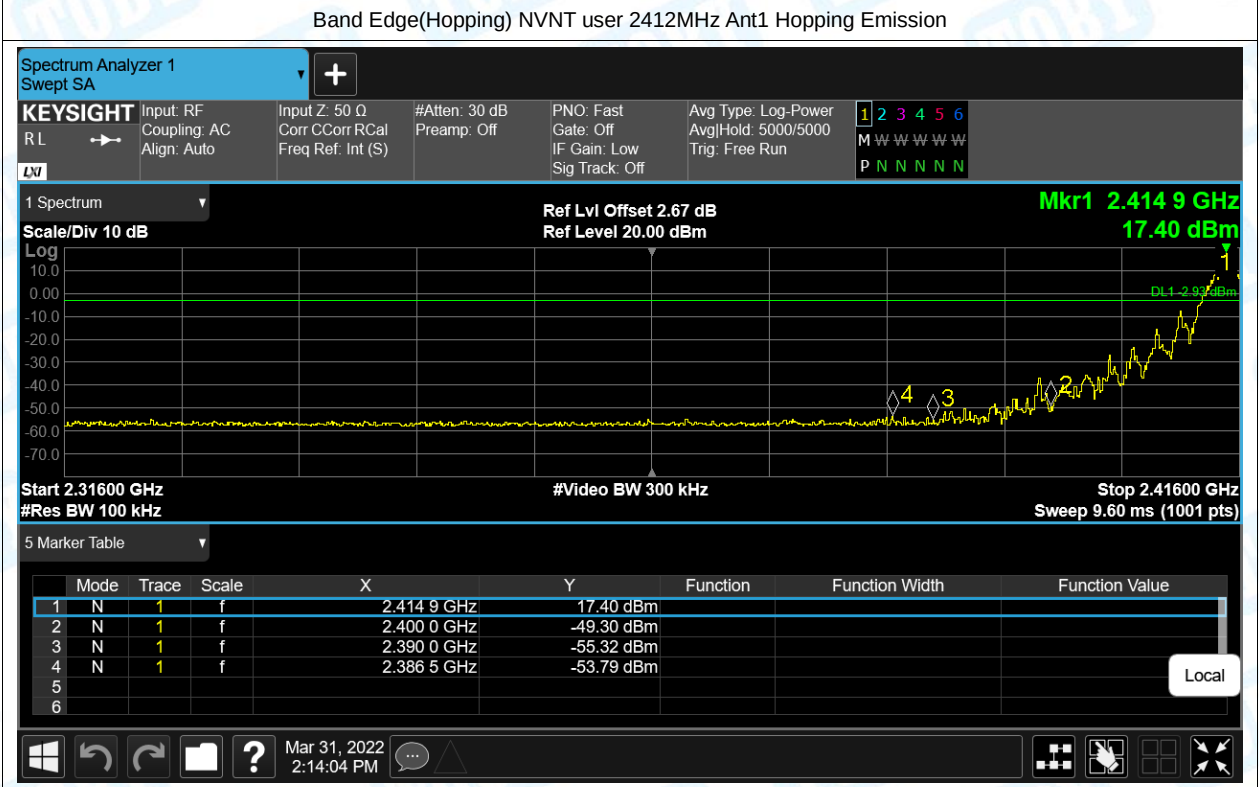
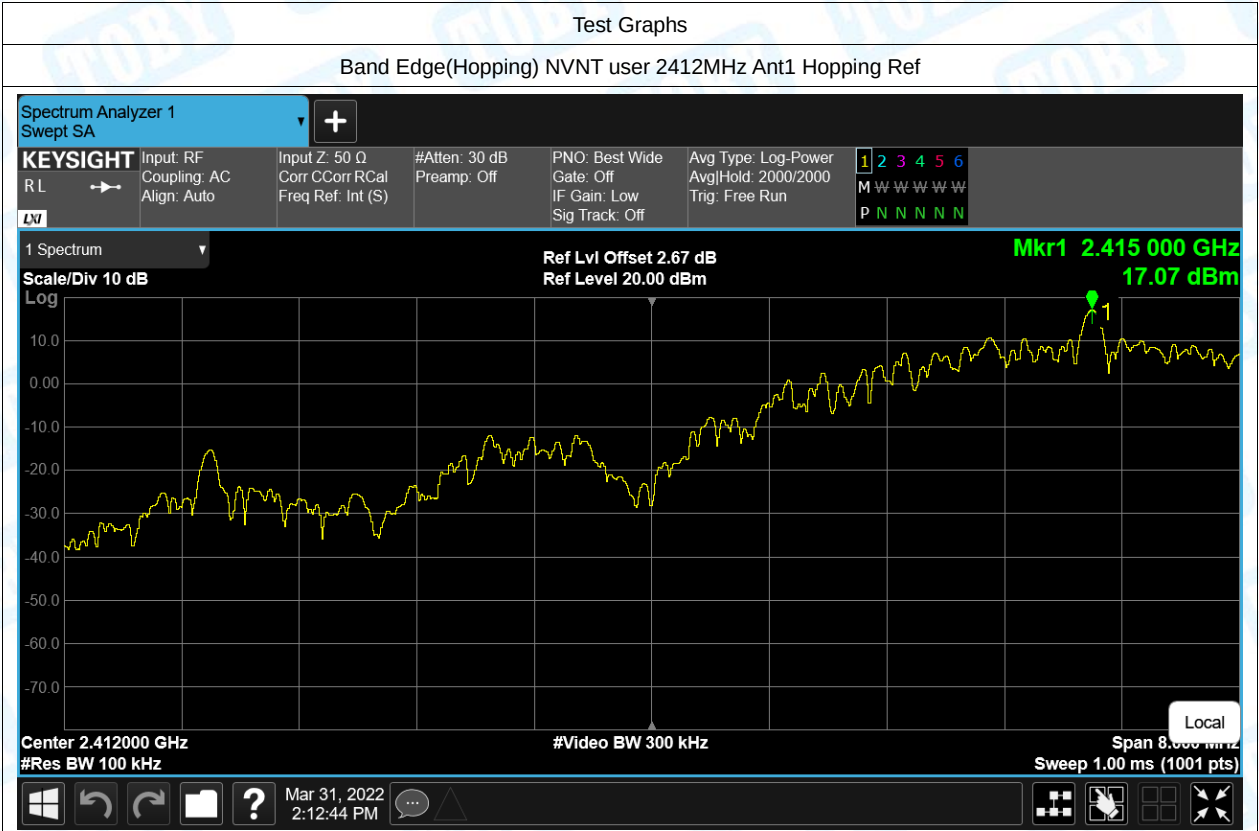
## Band Edge NVNT user 2412MHz Ant1 No-Hopping Emission

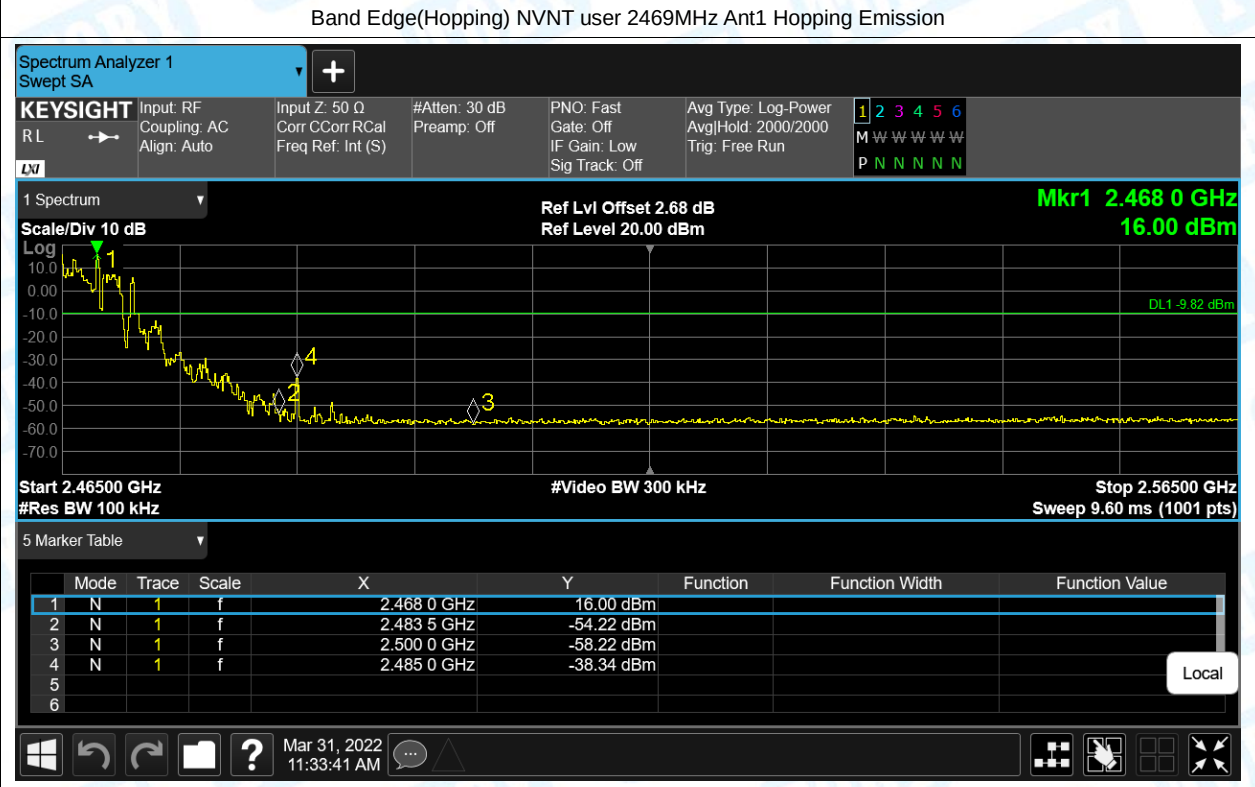




## 5.Band Edge(Hopping)

| Condition | Mode | Frequency (MHz) | Antenna | Hopping Mode | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|------|-----------------|---------|--------------|-----------------|-------------|---------|
| NVNT      | GFSK | 2412            | Ant1    | Hopping      | -70.86          | -20         | Pass    |
| NVNT      | GFSK | 2469            | Ant1    | Hopping      | -48.52          | -20         | Pass    |



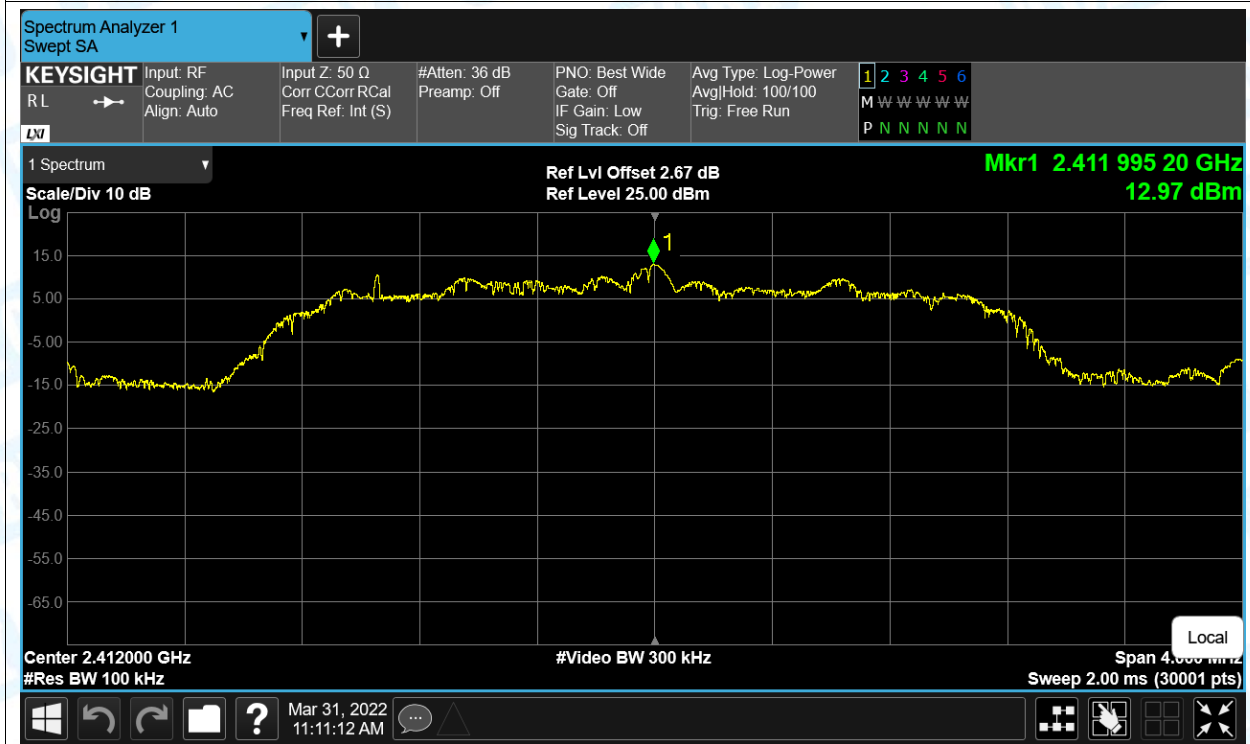


## 6. Conducted RF Spurious Emission

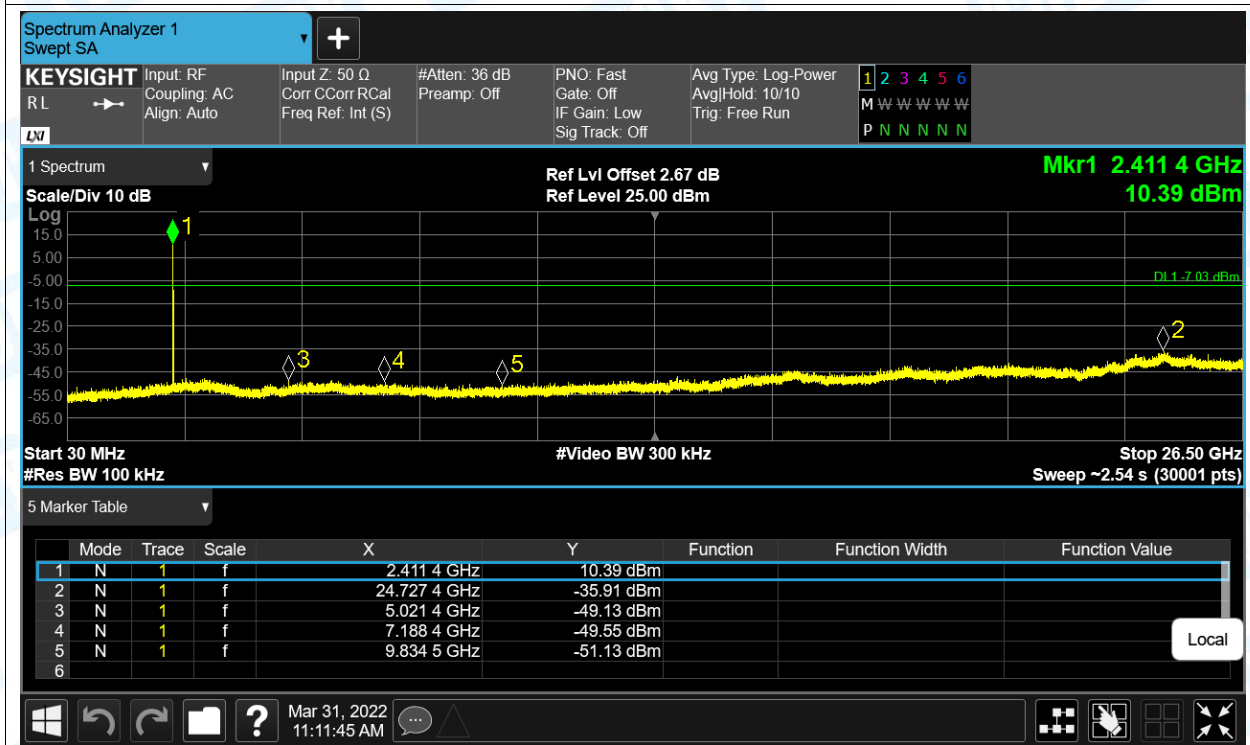
| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | GFSK | 2412            | Ant1    | -48.88          | -20         | Pass    |
| NVNT      | GFSK | 2442            | Ant1    | -51.56          | -20         | Pass    |
| NVNT      | GFSK | 2469            | Ant1    | -51.38          | -20         | Pass    |

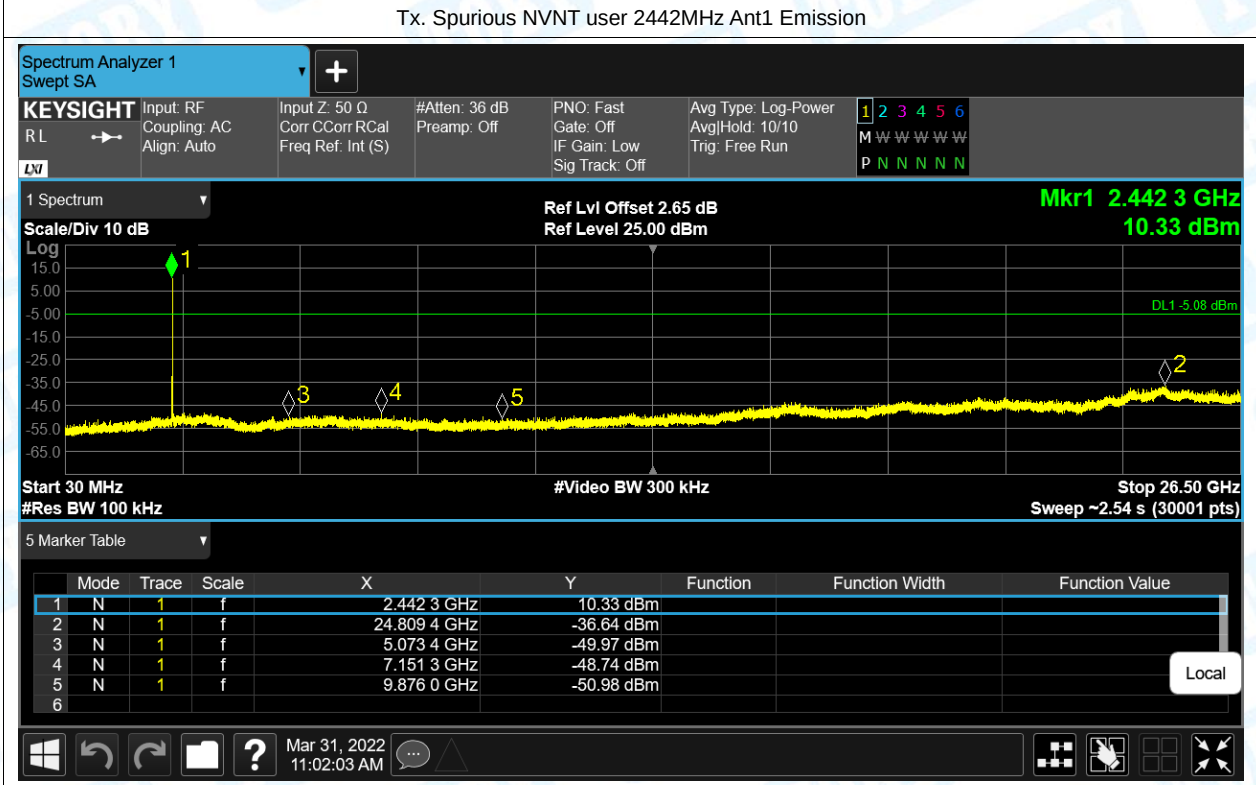
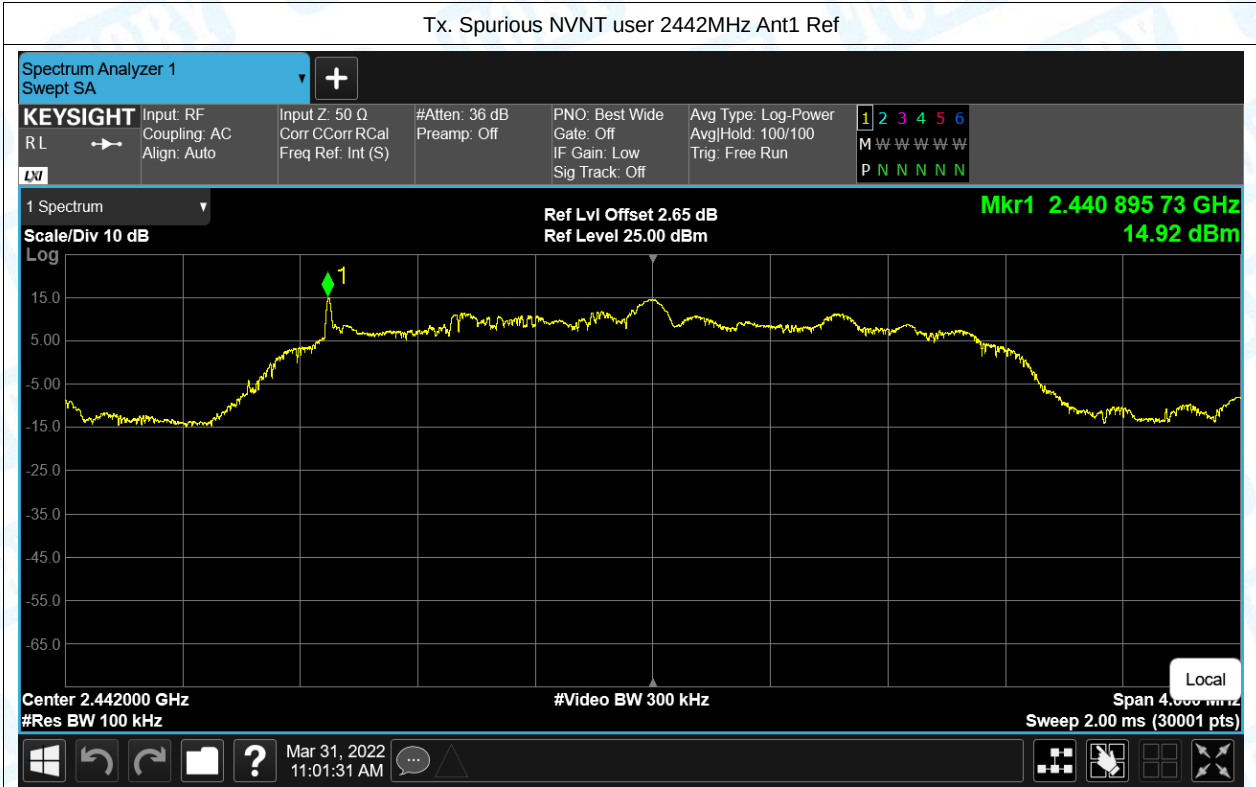
Test Graphs

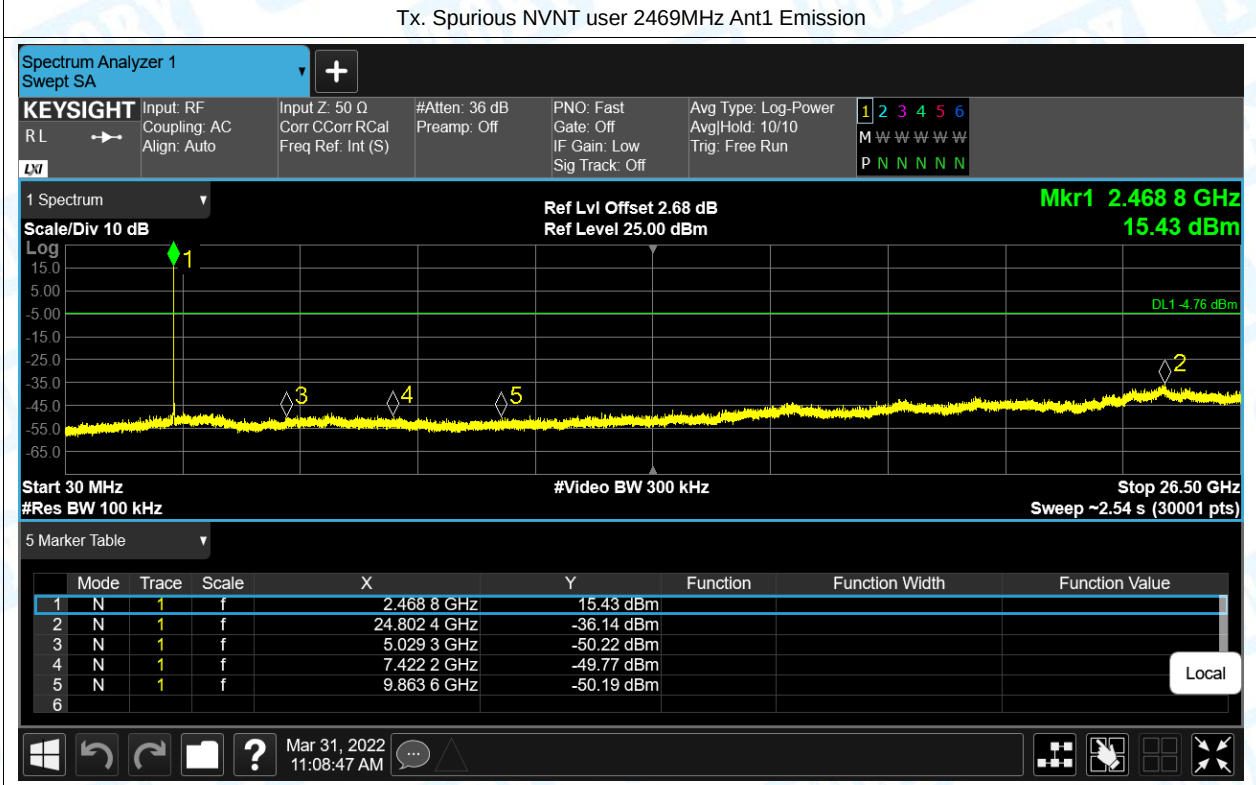
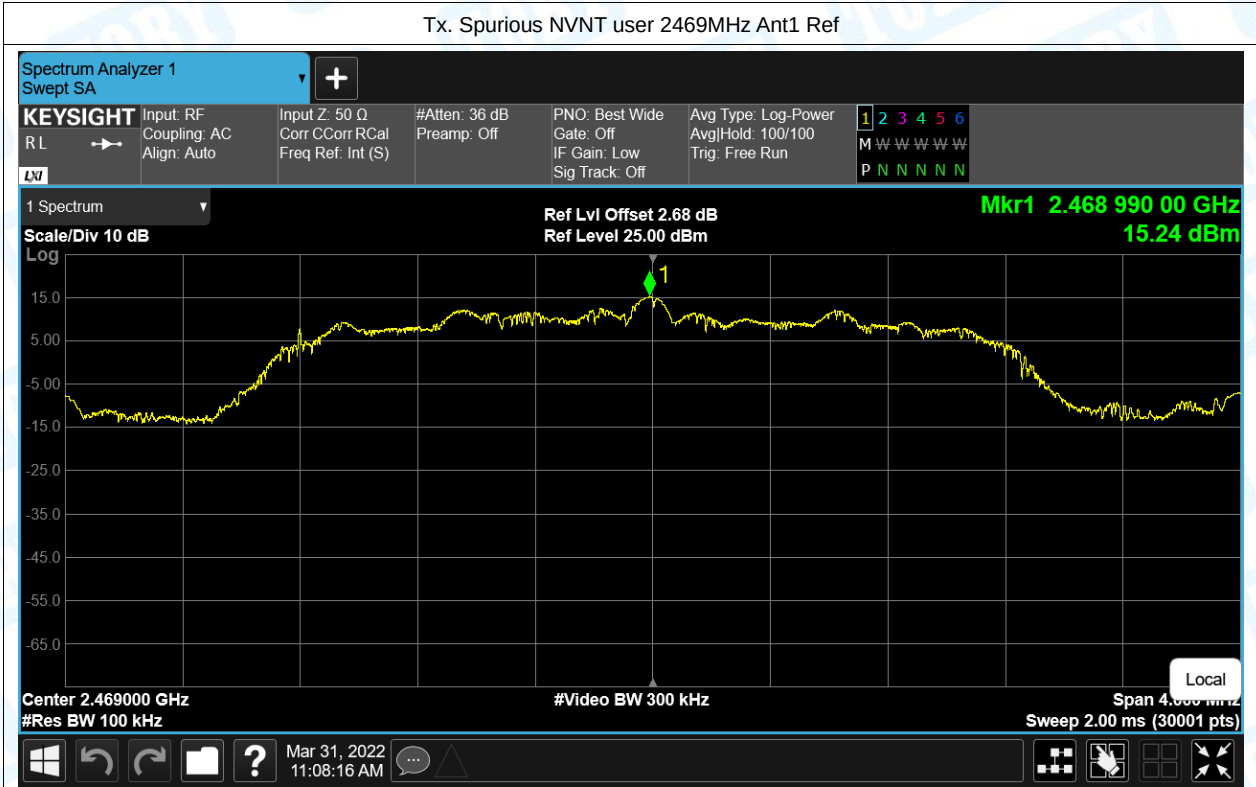
Tx. Spurious NVNT user 2412MHz Ant1 Ref



Tx. Spurious NVNT user 2412MHz Ant1 Emission





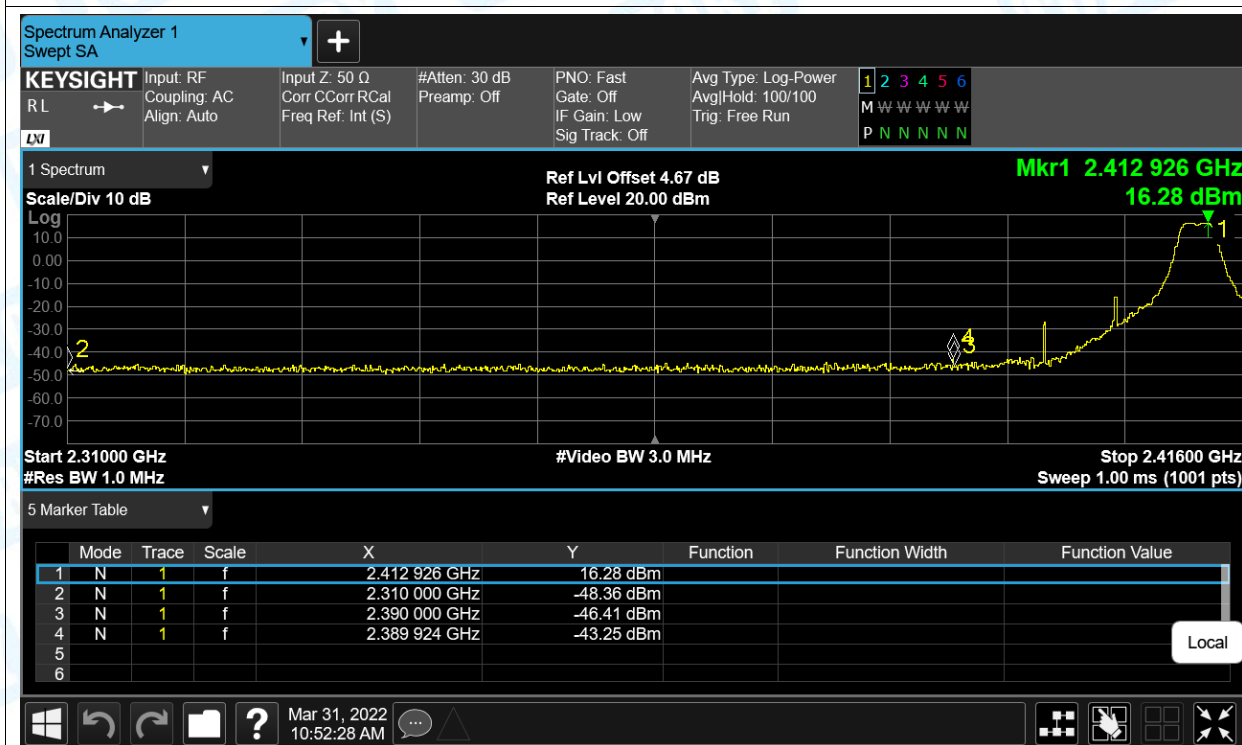


## 7.Restrict Band

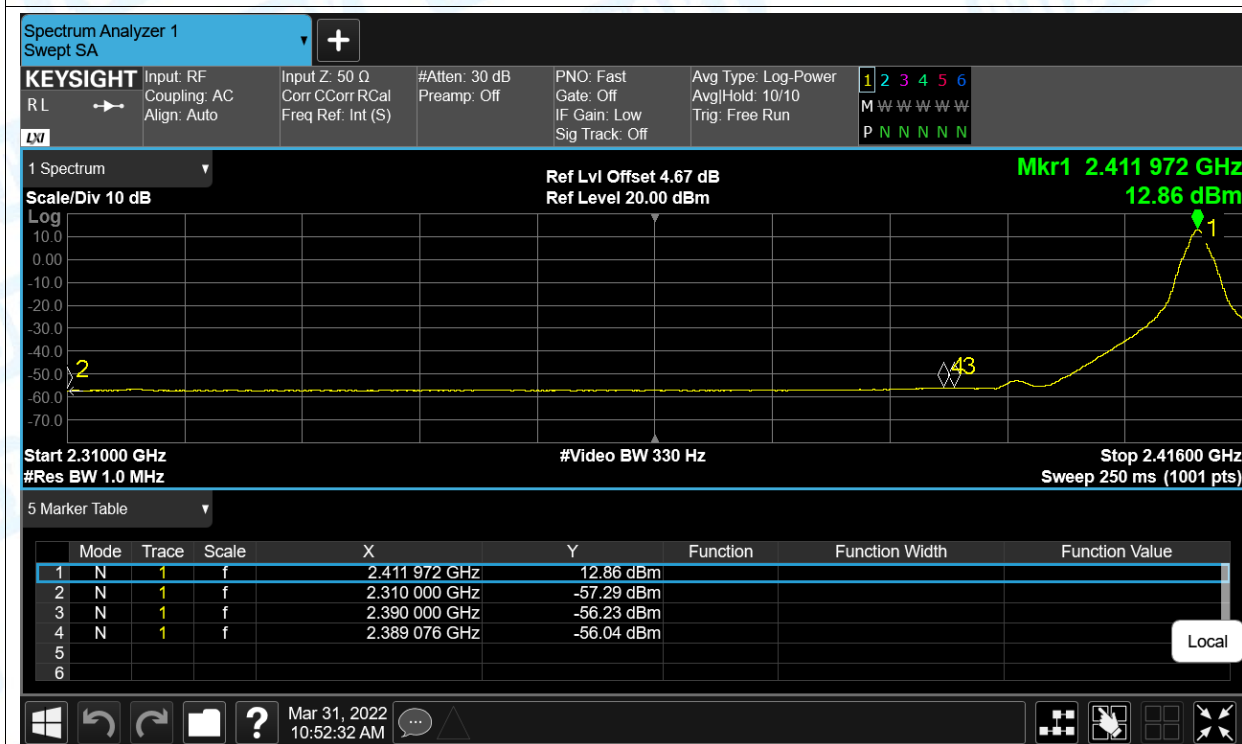
| Condition | Mode | Frequency<br>(MHz) | Antenna | Hopping<br>Mode | Spur Freq<br>(MHz) | Power<br>(dBm) | Gain<br>(dBi) | E<br>(dBuV/m) | Detector | Limit<br>(dBuV/m) | Verdict |
|-----------|------|--------------------|---------|-----------------|--------------------|----------------|---------------|---------------|----------|-------------------|---------|
| NVNT      | GFSK | 2412               | Ant1    | No-Hopping      | 2310               | -48.36         | 2             | 48.9          | Peak     | 74                | Pass    |
| NVNT      | GFSK | 2412               | Ant1    | No-Hopping      | 2310               | -57.29         | 2             | 39.97         | Average  | 54                | Pass    |
| NVNT      | GFSK | 2412               | Ant1    | No-Hopping      | 2389.924           | -43.25         | 2             | 54.01         | Peak     | 74                | Pass    |
| NVNT      | GFSK | 2412               | Ant1    | No-Hopping      | 2389.076           | -56.04         | 2             | 41.22         | Average  | 54                | Pass    |
| NVNT      | GFSK | 2412               | Ant1    | No-Hopping      | 2390               | -46.41         | 2             | 50.85         | Peak     | 74                | Pass    |
| NVNT      | GFSK | 2412               | Ant1    | No-Hopping      | 2390               | -56.23         | 2             | 41.03         | Average  | 54                | Pass    |
| NVNT      | GFSK | 2469               | Ant1    | No-Hopping      | 2483.5             | -39.67         | 2             | 57.59         | Peak     | 74                | Pass    |
| NVNT      | GFSK | 2469               | Ant1    | No-Hopping      | 2483.5             | -49.45         | 2             | 47.81         | Average  | 54                | Pass    |
| NVNT      | GFSK | 2469               | Ant1    | No-Hopping      | 2496.395           | -36.62         | 2             | 60.64         | Peak     | 74                | Pass    |
| NVNT      | GFSK | 2469               | Ant1    | No-Hopping      | 2484.915           | -47.42         | 2             | 49.84         | Average  | 54                | Pass    |
| NVNT      | GFSK | 2469               | Ant1    | No-Hopping      | 2500               | -42.71         | 2             | 54.55         | Peak     | 74                | Pass    |
| NVNT      | GFSK | 2469               | Ant1    | No-Hopping      | 2500               | -50.89         | 2             | 46.37         | Average  | 54                | Pass    |

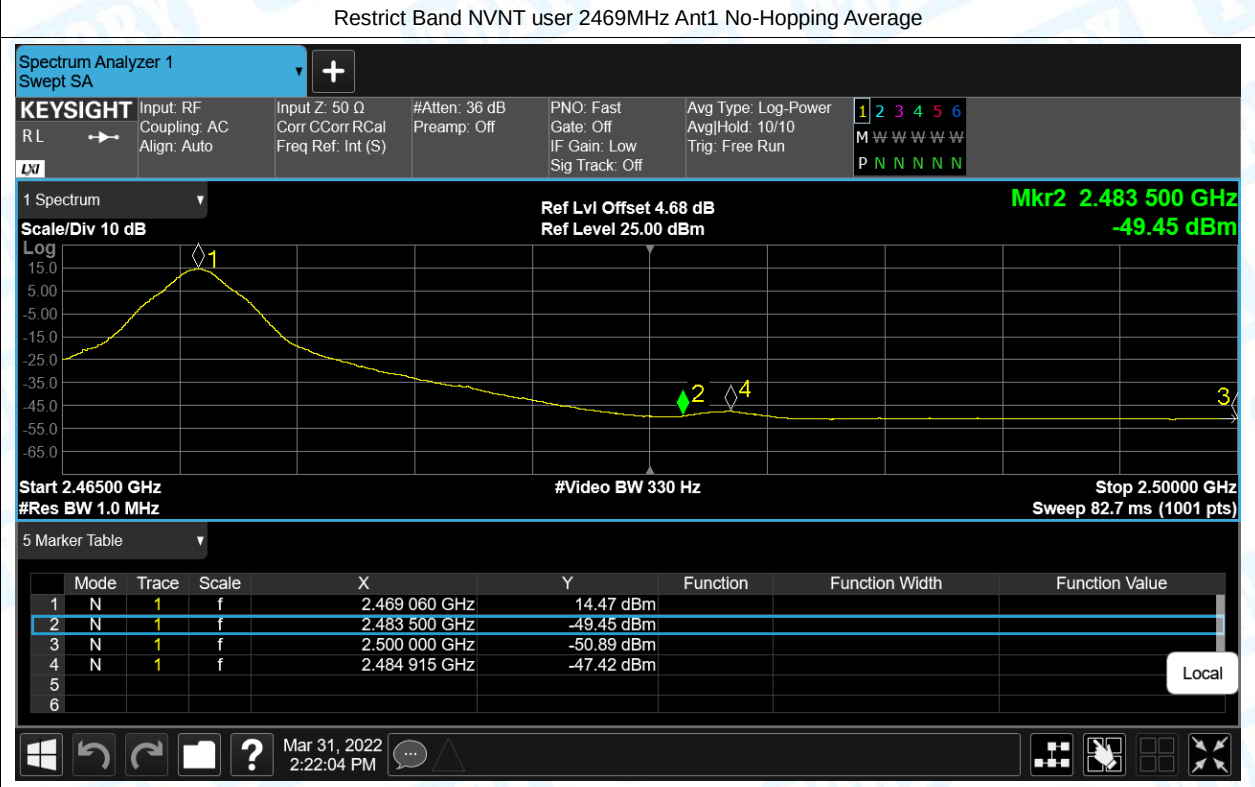
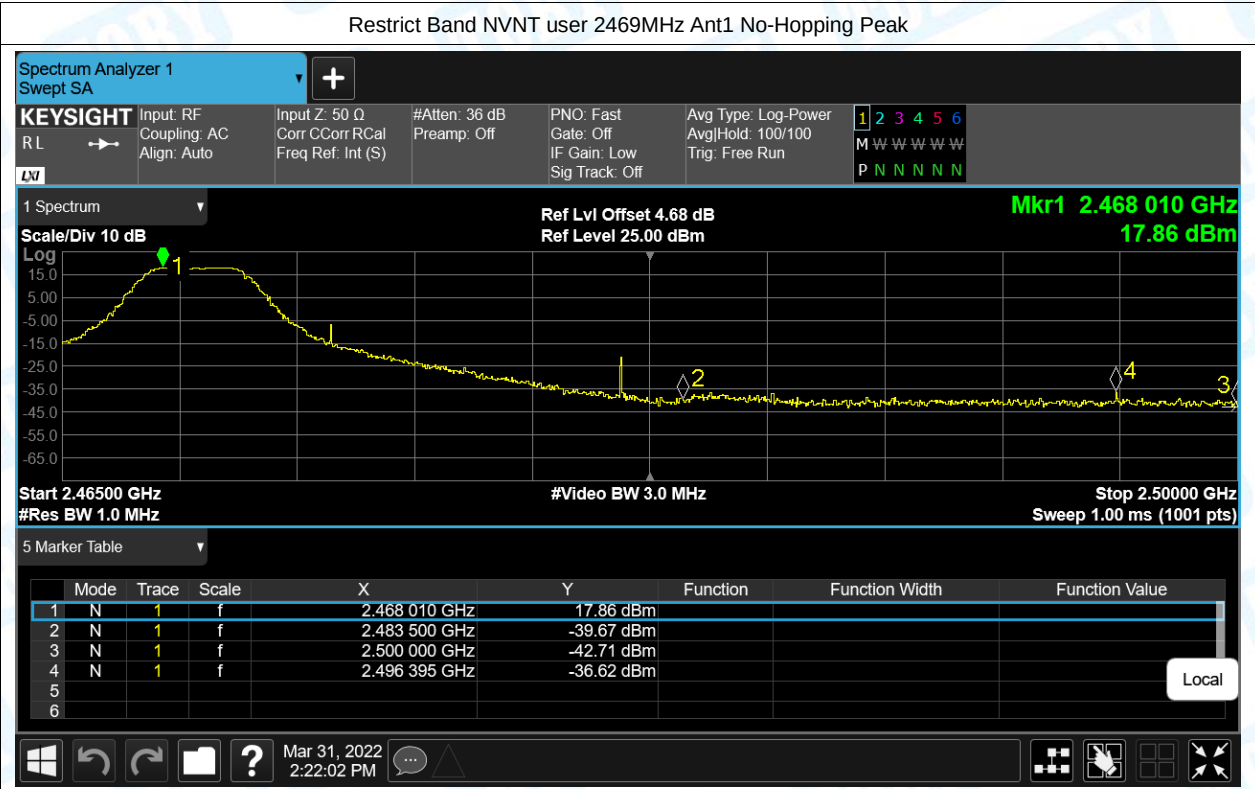
## Test Graphs

Restrict Band NVNT user 2412MHz Ant1 No-Hopping Peak



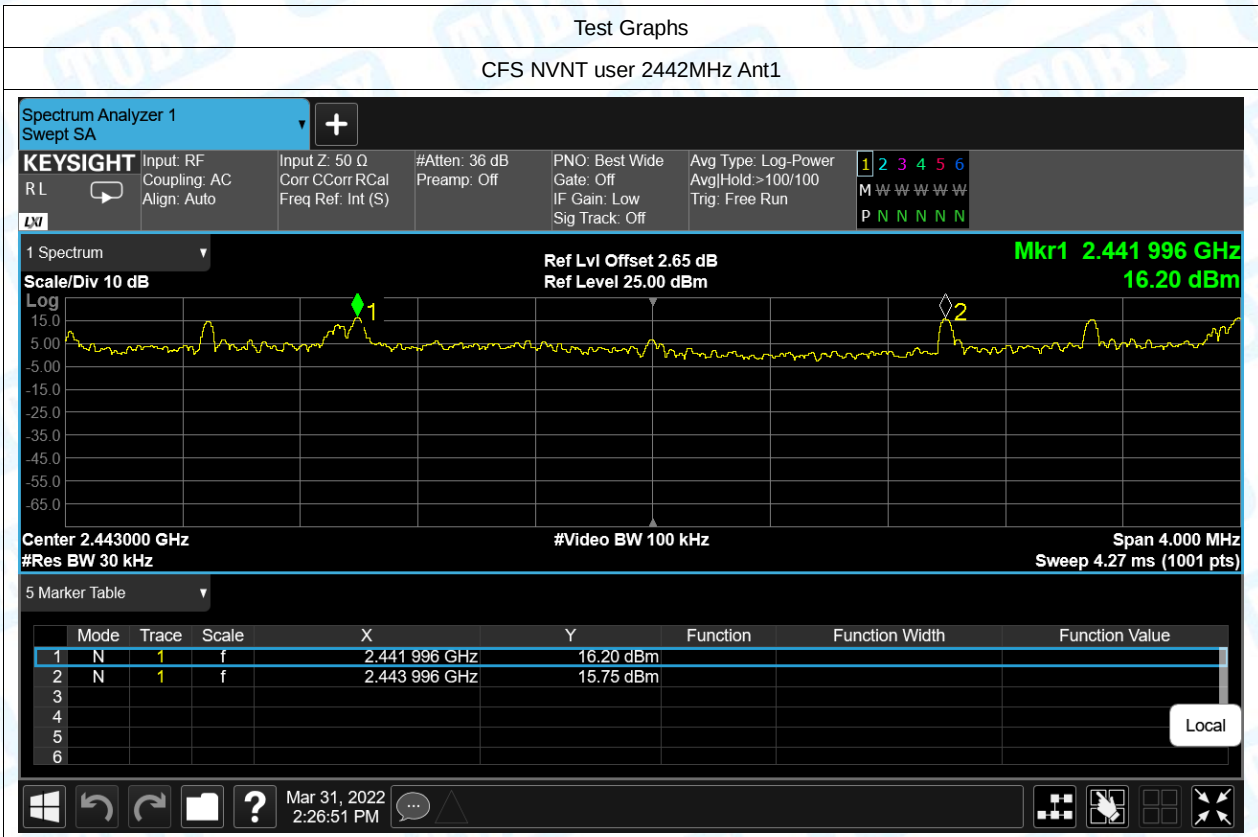
Restrict Band NVNT user 2412MHz Ant1 No-Hopping Average





## 8.Carrier Frequencies Separation

| Condition | Mode | Antenna | Hopping Freq1 (MHz) | Hopping Freq2 (MHz) | HFS (MHz) | Limit (MHz) | Verdict |
|-----------|------|---------|---------------------|---------------------|-----------|-------------|---------|
| NVNT      | GFSK | Ant1    | 2441.996            | 2443.996            | 2         | 0.025       | Pass    |



## 9. Number of Hopping Channel

| Condition | Mode | Antenna | Hopping Number | Limit | Verdict |
|-----------|------|---------|----------------|-------|---------|
| NVNT      | GFSK | Ant1    | 20             | 15    | Pass    |



## 10.Dwell Time

| Condition | Mode | Frequency (MHz) | Antenna | Pulse Time (ms) | Total Dwell Time (ms) | Period Time (ms) | Limit (ms) | Verdict |
|-----------|------|-----------------|---------|-----------------|-----------------------|------------------|------------|---------|
| NVNT      | GFSK | 2442            | Ant1    | 0.588           | 188.16                | 31600            | 400        | Pass    |

